

Message

From: Maraldo, Dean [Maraldo.Dean@epa.gov]
Sent: 6/27/2018 4:28:38 PM
To: Burdett, Cheryl [burdett.cheryl@epa.gov]
Subject: RE: Nitrate Analyses

Cheryl: in addition to getting documentation on preservation, could you also confirm that the results provided in the excel spreadsheet ("NO3_NO2_N") are Nitrate-Nitrite Nitrogen? Thanks.

From: Daniel Snow [mailto:dsnow1@unl.edu]
Sent: Monday, June 25, 2018 5:11 PM
To: Burdett, Cheryl <burdett.cheryl@epa.gov>
Cc: Maraldo, Dean <Maraldo.Dean@epa.gov>; Daisy Wang <daisy.wang@erg.com>
Subject: RE: Nitrate Analyses

Cheryl,

"02_03_01" is our protocol code for nitrate+nitrate-N by the automated Cd-reduction method (attached internal SOP). Sorry but I did not recall the correct the holding time when we spoke last week. For non-acidified, frozen samples our holding time is actually 28 days for nitrate+nitrite testing and isotope analysis. The sample run for nitrate+nitrate were analyzed by the Cd-reduction method on a Seal AQ2 autoanalyzer. Samples were thawed a few hours before testing, spilt into two portions and refrozen to be run for 15N and 18O nitrate analysis. I'll check with our isotope chemist to get the current SOP using the azide method for 15N and 18O_NO3.

Did you also need the chain of custody forms? Thanks! -Dan

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From: Burdett, Cheryl <burdett.cheryl@epa.gov>
Sent: Monday, June 25, 2018 4:31 PM
To: Daniel Snow <dsnow1@unl.edu>
Cc: Maraldo, Dean <Maraldo.Dean@epa.gov>; Daisy Wang <daisy.wang@erg.com>
Subject: Nitrate Analyses

Hello Dr. Snow:

I know we discussed the nitrate analyses and that you used a 7-day holding time, but the protocol that you describe in the spreadsheet I received is 02_03_01. I am not sure what that means. Could you send me the document that describes the method you used to analyze for nitrates and where it states that it is appropriate to use a 7 day holding time. I need to document this in my report.

Thank you for all your help.

Sincerely,

Cheryl Burdett
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CAFO Program Manager
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